

Sustainability Accomplishments 2005–2006

OFFICE OF ENVIRONMENTAL AND ENERGY SERVICES

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Energy Conservation

Boston City Hall Demonstration Green Roof Project

- Installed a demonstration green roof project on the 8th and 9th floor balconies at Boston City Hall. Green roof systems reduce energy consumption, stormwater pollution, and naturally cool urban areas.
- Mayor Menino committed an additional \$3 million for capital projects to reduce energy consumption and save tax dollars in the 2007 budget.
- Completed installation of 25 combined heat and power units, a key element of the Boston Public Schools overall energy management program that saves taxpayers at least \$8 million annually.
- Replaced ordinary traffic signal lights with light emitting diode (LED) bulbs that are 90% more energy efficient, saving taxpayers over \$400,000 annually.
- City residents save approximately 300 million BTUs of energy per year through the City's curbside recycling program.



Renewable Energy

Wind Turbine IBEW Electrical Workers Local 103, Dorchester

- The City of Boston became the largest municipal purchaser of green electricity in New England, with 8.6% supplied by renewable sources.
- The City was recognized as a national leader under the Environmental Protection Agency's (EPA) Green Power Partnership Program.
- Solar installations have been placed on a number of municipal buildings, including three Boston Public Schools and the George Robert White Environmental Conservation Center.
- The City is a participant in the Community Wind Collaborative, working with its partners on the Boston Harbor Islands Partnership to bring appropriate wind power to the Boston Harbor Islands.



Alternative Fuels & Technologies

Boston School Buses Reduced Emissions by 90%

- Mayor Menino issued an alternative fuel vehicle procurement policy for city vehicles in which all new vehicles are required to be hybrid or other alternative fuel vehicles, including his own vehicle which is powered by clean-burning compressed natural gas.
- The City's 450 diesel vehicles switched to a cleaner blend of biodiesel and ultra low sulfur fuel reducing emissions by 12-17%.
- Boston is the largest municipal purchaser of biodiesel in New England, purchasing 650,000 gallons of biodiesel.
- The City has undertaken a large-scale retrofit of its school bus fleet, using \$3.25 million from the EPA. Five hundred school buses, using ultra low sulfur diesel, are being equipped with pollution control technologies, reducing tailpipe emissions by more than 90%.
- The City of Boston is sponsoring and hosting the Alt Wheels Festival on City Hall Plaza on September 22 and 23, showcasing the latest technologies in alternative transportation in New England.



Green Buildings

George Robert White Environmental Conservation Center *

- The City is implementing the Mayor's Green Buildings initiatives requiring new buildings to follow the U.S. Green Building Council's LEED standards and is leading by example in the design of a new police station and library.
- The City built its first green building, the George Robert White Environmental Conservation Center.
- The City has provided \$100,000 to 5 projects to help incorporate green, sustainable design in new building projects.
- The City was awarded a \$2 million grant to assist in green design of affordable housing.

* Boston Nature Center, Mattapan

